

**System And Method For Obtaining And Maintaining High-Resistance Seals
In Patch Clamp Recordings**

ABSTRACT

5 The invention provides a system, system components, and a method for
rapidly obtaining and stably maintaining a cell in optimal contact with the cell-
contacting surface of a sensor in a cell-based biosensor. In one aspect, the system
maximizes the seal between a whole cell and the cell-contact surface of a patch clamp
micropipette, maximizing the efficiency of a whole cell patch clamp recording.

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